

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

UCT-0048

Application Number

10/618,262

Applicant(s)

Sotzing, G. A.

Filing Date

07/11/2003

Group Art Unit

1626

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Q	1	4,910,645	03/20/1990	Jonas et al.	361	525	04/10/1989
	2	4,959,430	09/25/1990	Jonas et al.	526	257	04/13/1989
	3	5,109,070	04/28/1992	Epstein et al.	525	189	05/25/1990
	4	5,300,575	04/05/1994	Jonas et al.	525	186	12/10/1992
	5	5,691,062	11/25/1997	Shalaby et al.	428	411.1	02/16/1995
	6	6,194,540 B1	02/27/2001	Ito et al.	528	373	10/19/1999
	7	6,242,561 B1	06/05/2001	Mohwald et al.	528	377	03/06/1997
	8	6,294,245 B1	09/25/2001	Roitman et al.	428	212	09/22/1999
	9	US2002/0011420 A1	01/31/2002	Roitman et al.	205	419	09/11/2001

## FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
Q	10	EP 0 999 242 A1	10.05.2000	European	—	—		✓
Q	11	WO 91/06887	16.05.1991	International	—	—		✓

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

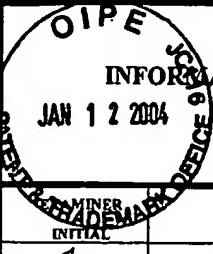

EXAMINER

Edne Wong

DATE CONSIDERED

7/28/05

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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<b>OTHER DOCUMENTS</b> (Including Author, Title, Date, Pertinent Pages, Etc.)					
12	A. Bongini, et al., "New n-Dopable Thiophene Based Polymers", Synthetic Metals 101 (1999) pgs. 13-14 *				
13	J. Eldo, et al., "New Low Band Gap Polymers: Control of Optical and Electronic Properties in near Infrared Absorbing PI-Conjugated Polysquaraines", Chemistry Materials, 2002, 14, pgs 410-418 *				
14	XIAOMIN GU, "Part I: Syntheses and Characterization of Poly (2-Decylthieno[3,4-b]Thiophene), A Low Bandgap Conducting Polymer Part II: Formation and Trapping of Methoxy (Methoxy-Carbonyl) Ketene" Dissertation, December, 1995, 182 pages, The University of Texas at Arlington				
15	B. Lee, et al., "Aqueous Phase Polymerization of Thieno[3,4-b] Thiophene", Polymer Preprints 2002, 43(2) pgs 568-569 *				
16	K. Lee, et al., "Poly(thieno[3,4-b]thiophene). A New Stable Low Band Gap Conducting Polymer", Macromolecules 2001, 34, pgs 5746-5747 *				
17	K. Lee, et al., "Thieno[3,4-b]thiophene as a Novel Low Oxidation Crosslinking Agent", Polymeric Materials: Science and Engineering 2002, 86, pg 195 *				
18	K. Lee, et al., "Toward the Use of Poly(Thieno[3,4-b] Thiophene) in Optoelectronic Devices", Polymer Preprints 2002, 43(2), pgs 610-611 *				
19	D. C. Loveday, et al., "Synthesis and Characterization of p- and n- Dopable Polymers. Electrochromic Properties of Poly 3-(p-trimethylammoniumphenyl)bithiophene", Synthetic Metals 84 (1997) pgs 245-246 *				
20	H. Meng, et al., "A Robust Low Band Gap Processable n-Type Conducting Polymer Based on Poly(Isothianaphthene)", Macromolecules 2001, 34, pgs 1810-1816 *				
21	C.J. Neef, et al., "Synthesis and Electronic Properties of Poly(2-phenylthieno[3,4-b]thiophene): A New Low Band Gap Polymer", Chemistry Materials 1999, 11, pgs 1957-1958 *				
22	M. Pomerantz, et al., "Poly(2-decylthieno[3,4-b]thiophene-4,6-diyl). A New Low Band Gap Conducting Polymer", Macromolecules 2001, 34, pgs 1817-1822 *				
23	V. Seshadri, et al., "Ion Transport Behavior of Polymers and Copolymers Containing Thieno[3,4-b]Thiophene", Polymer Preprints 2002, 43(2), pgs 584-585 *				
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SchmWang		7/26/05			
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<div style="display: flex; justify-content: space-between;"> <div style="text-align: left;"> <p><b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)</p> </div> <div style="text-align: right;"> <p><b>JAN 12 2004</b></p> </div> </div>		Docket Number (Optional) <b>UCT-0048</b>	Application Number <b>10/618,262</b>
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*EXAMINER INITIAL	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
<div style="font-size: 2em;">S</div>	G. A. Sotzing, et al., "Intrinsically Conducting Polymers and Green Chemistry", Polymer Preprints 2002, 43(2), pgs 904-905 *
<div style="font-size: 2em;"> </div>	G. A. Sotzing, et al., "Poly(thieno[3,4-b]thiophene) as a Low Band Gap Conducting Polymer and Electrochromic Material", Polymeric Materials: Science & Engineering 2001, 85, pgs 604-605 *
<div style="font-size: 2em;"> </div>	G. A. Sotzing, et al., "Preparation and Characterization of Fully Conjugated Intrinsically Conducting Polymer Networks", Polymeric Materials: Science and Engineering 2002, 86, pgs 40-41 *
<div style="font-size: 2em;"> </div>	K. Lee, et al., "Synthesis of poly(thieno[3,4-b]thiophene) and its electrochemical characterizations", Polymer Preprints 2001, 42(2), pgs 413-414 *
<div style="font-size: 2em;"> </div>	H. Wynberg, et al., "Thieno[3,4-b]Thiophene. The Thirld Thiophene", Pergamon Press Ltd, 1967, Tetrahedron Letters No. 9, pgs 761-764 *
<div style="font-size: 2em;"> </div>	M. Pomerantz, et al., "Poly(2-decylthieno[3,4-b]thiophene). A New Soluble Low-Bandgap Conducting Polymer", Synthetic Metals 84 (1997), pgs 243-244 *
<div style="font-size: 2em;"> </div>	C. J. Neef, et al., "Synthesis and Electronic Properties of Poly(2-Phenylthieno[3,4-b]Thiophene)", Polymer Preprints 1998, 39(1), pgs 147-148 *

EXAMINER <div style="font-size: 1.5em; font-family: cursive;">Sara Wang</div>	DATE CONSIDERED <div style="font-size: 1.5em; font-family: cursive;">7/28/05</div>
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